

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S80 | 37 | "347"/\$.ccls. and S79 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:21 |
| S81 | 218 | 347/46.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:26 |
| S82 | 1198 | 347/54.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:49 |
| S83 | 24 | 347/52.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:50 |
| S84 | 134 | 347/51.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:44 |
| S85 | 1362 | 347/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:45 |
| S86 | 338 | 347/77.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:48 |
| S87 | 0 | "226"/\$.ccls. and (cathode adj ray adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 20:22 |
| S88 | 59 | "226"/\$.ccls. and (cathode with ray with tube) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:59 |
| S89 | 1 | "226"/\$.ccls. and (cathode with ray with tube) and (pin with tube) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 20:24 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S90 | 1413 | 347/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:45 |
| S91 | 226 | "347"/46.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:46 |
| S92 | 241 | "347"/\$.ccls. and braun and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:47 |
| S93 | 515 | "347"/\$.ccls. and braun | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:47 |
| S94 | 349 | 347/77.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:48 |
| S95 | 657 | 347/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:49 |
| S96 | 1386 | 347/54.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:49 |
| S97 | 44 | 347/52.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/28 21:50 |
| S98 | 59 | "226"/\$.ccls. and (cathode with ray with tube) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:51 |
| S99 | 69 | "226"/\$.ccls. and (cathode with ray) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:59 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 5 | 347/55.ccls. and (cathode adj ray adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:45 |
| S2 | 199 | "347"/\$.ccls. and (cathode adj ray adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 18:36 |
| S3 | 25 | "347"/\$.ccls. and ((cathode adj ray adj tube) same droplet) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/05/26 19:40 |
| S4 | 31 | "347"/\$.ccls. and (cathode adj ray adj tube) same nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/05/26 19:58 |
| S5 | 0 | ("2005/0212868").URPN. | USPAT | OR | OFF | 2006/05/26 20:03 |
| S6 | 42 | ((("2273433") or ("2273793") or ("2291476") or ("2879422") or ("2894799") or ("2928973") or ("2933556") or ("2952796") or ("2963606") or ("2978607") or ("3041611"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:04 |
| S7 | 2 | "347"/46.ccls. and (cathode adj ray adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/05/26 20:11 |
| S8 | 216 | "347"/46.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:46 |
| S10 | 209 | "347"/\$.ccls. and braun and nozzle and drop\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/05/26 20:19 |
| S11 | 221 | "347"/\$.ccls. and braun and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:47 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|-----|------------------|
| S12 | 10 | "347"/\$.ccls. and (braun adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/05/26 20:30 |
| S13 | 8 | ((("2003043251") or ("2003125206") or ("0790131")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:31 |
| S14 | 4 | ("2003043251").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:31 |
| S15 | 2 | ("20030043251").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:32 |
| S16 | 2 | ("20030125206").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:32 |
| S17 | 2 | ("0790131").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:32 |
| S18 | 2 | ("0790131").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/26 20:32 |
| S19 | 482 | "347"/\$.ccls. and braun | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:47 |
| S20 | 2 | "6752488".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/06/25 19:36 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S21 | 12 | "347"/\$.ccls. and (braun adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 17:59 |
| S22 | 40 | (fluid with eject\$3) and (cathode adj ray adj tube) and (nozzle or orifice) and drop\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 18:13 |
| S23 | 0 | ("2005/0212868").URPN. | USPAT | OR | OFF | 2006/10/12 18:07 |
| S24 | 5 | (fluid with eject\$3) and (braun adj tube) and (nozzle or orifice) and drop\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 18:14 |
| S25 | 124 | (braun adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 18:18 |
| S26 | 1 | ("5968415").URPN. | USPAT | OR | OFF | 2006/10/12 18:26 |
| S27 | 5 | ("3576757" "4100454" "5162930" "5723070").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/12 18:26 |
| S28 | 2897 | (cathode adj ray adj tube) and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 19:24 |
| S29 | 1023 | S28 and energy | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/12 18:37 |
| S30 | 177 | S28 and energy and eject\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/12 18:37 |
| S31 | 70 | S28 and energy and eject\$4 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/12 18:37 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|-----|------------------|
| S32 | 6 | ((cathode adj ray adj tube) with energy) same eject\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 18:56 |
| S33 | 2 | "6752488".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/12 19:00 |
| S34 | 2 | ("20040009611").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/12 19:00 |
| S35 | 51 | (cathode adj ray adj tube) same fluid same nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/12 19:24 |
| S36 | 50 | (vacuum adj tube) and (fluid with eject\$3) and (nozzle or orifice) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:10 |
| S37 | 1263 | (temperature with head with sensor) and "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:11 |
| S38 | 1379 | (temperature with head with (detector or sensor)) and "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:12 |
| S39 | 199 | S38 and duty | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:12 |
| S40 | 120 | S38 and (temperature with duty) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:17 |

EAST Search History

| | | | | | | |
|-----|--------|--|---|----|----|------------------|
| S41 | 120 | S38 and (temperature with duty) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:33 |
| S42 | 138726 | cathode with ray with tube | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:34 |
| S43 | 12 | S42 same fluid same eject\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:37 |
| S44 | 1140 | (vacuum with tube) same conductor same beam | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:41 |
| S45 | 48538 | fluid same eject\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:37 |
| S46 | 6 | S44 and S45 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:37 |
| S47 | 25 | S44 and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 11:39 |
| S48 | 163 | ((vacuum or cathode) with tube) same conductor) and fluid and (nozzle or orifice) and energy | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:06 |
| S49 | 2 | "4531138".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:22 |
| S50 | 2714 | (electron with gun) same (vacuum with tube) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 13:18 |

EAST Search History

| | | | | | | |
|-----|-----|---|---|----|-----|------------------|
| S51 | 207 | S50 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:23 |
| S52 | 11 | S50 and eject\$4 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:24 |
| S53 | 207 | (electron with gun) same (vacuum with tube) and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:28 |
| S54 | 77 | (electron with gun) same (vacuum with tube) and ink | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:28 |
| S55 | 30 | S50 and printer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:33 |
| S56 | 207 | S50 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 12:34 |
| S57 | 71 | S50 same fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 13:15 |
| S58 | 3 | ((("5093602") or ("5378957")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/13 13:15 |
| S59 | 739 | (electron with gun) same (vacuum with tube) and discharg\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 13:18 |

EAST Search History

| | | | | | | |
|-----|--------|---|---|----|----|------------------|
| S60 | 318 | (electron with gun) same (vacuum with tube) same discharg\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 13:19 |
| S61 | 14 | (electron with gun) same (vacuum with tube) same discharg\$4 same fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 16:21 |
| S62 | 610 | rib and silverbrook | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 16:31 |
| S63 | 568 | rib and silverbrook and chamber | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 16:25 |
| S64 | 2 | rib and silverbrook and chamber and (gap with rib) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 16:25 |
| S65 | 552 | 347/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/28 21:49 |
| S66 | 207 | 347/42.ccls. and module | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/13 16:51 |
| S67 | 138726 | cathode with ray with tube | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:10 |
| S68 | 1130 | (cathode with ray with tube) same fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:11 |
| S69 | 122 | S68 and nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:12 |

EAST Search History

| | | | | | | |
|-----|--------|--|---|----|-----|------------------|
| S70 | 6344 | (vacuum with tube) same nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:12 |
| S71 | 3446 | S70 and (eject\$4 or discharg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:13 |
| S72 | 2028 | S70 same (eject\$4 or discharg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:13 |
| S73 | 152 | electron and S72 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:14 |
| S74 | 183882 | electron and vacuum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:14 |
| S75 | 66254 | electron same vacuum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/10/14 18:15 |
| S76 | 1019 | electron same vacuum same nozzle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:15 |
| S77 | 294 | electron same vacuum same nozzle same (eject\$4 or discharg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:15 |
| S78 | 2328 | (electron same vacuum) and nozzle and (eject\$4 or discharg\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:17 |
| S79 | 846 | S78 and fluid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/10/14 18:18 |